

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REVOCATION AND APPOINTMENT OF POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned Educational Testing Service, who is the assignee of the entire right, title, and interest of all patent applications identified in schedule A attached hereto, having its principal place of business at 666 Rosedale Road, Princeton, New Jersey 08541, hereby revokes any and all Powers of Attorney heretofore granted in connection with the patent applications identified in Schedule A attached hereto, and appoints Joseph Melnik (48,741), Jamison Lynch (41,168), Victoria Friedman (58,853), Joseph Mahoney (38,956), Lawrence Pope (26,791), Vera Nackovic (59,388), Clifford Maier (59,526), Michael Molano (39,777), Deborah Schavey Ruff (33,770), and William Healey (36, 160), all of the firm Mayer, Brown, Row, and Maw LLP, and all of the other attorneys associated with customer no. 26565, located at 71 S. Wacker Drive, Chicago, Illinois 60616, as its attorneys, with full power of substitution and revocation, to prosecute each matter, to transact all business in the Patent and Trademark Office in connection therewith, to receive all documents from the Patent and Trademark Office.

Pursuant to 37 C.F.R. 3.73(b), the undersigned establishes that Educational Testing Service is the assignee for the patent applications identified in Schedule A, as evidenced by the assignment records of the Office located at the corresponding reel/frame numbers in Schedule A. Evidence of any unrecorded assignments are also concurrently being submitted in another document for recordation pursuant to § 3.11.

Further, the undersigned, who is authorized to sign and execute documents for Educational Testing Service, requests that all correspondence from the Patent and Trademark Office concerning these issued patents and patent applications be addressed to the address associated with customer number 26565.

By: Sheree Johnson-Gregory  
Name: Sheree Johnson-Gregory  
Title: Associate General Counsel  
Date: 9-04-2007

# SCHEDULE A

TITLE	APPLICATION. NO.	PUBLICATION/ PATENT NUMBER	REEL/ FRAME
Method and System For Calibrating Evidence Models	11/170649	2006-0003303	<u>016717/0325</u>
Method For Estimating Examinee Attribute Parameters in Cognitive Diagnosis Models	10/924069	2006-0040247	<u>015831/0907</u>
Method For Estimating Examinee Attribute Parameters in a Cognitive Diagnosis Model	11/100364	2005-0222799	<u>015927/0929</u>
A Tree-Based Approach to Proficiency Scaling and Diagnostic Assessment	09/629374	6,484,010	<u>011121/0222</u>
Apparatus and Method For Close-Elide Testing	06/587356	4,547,161	<u>004274/0680</u>
System and Method For Computer-Based Automatic Essay Scoring	09/120427	6,181,909	<u>009736/0177</u>
System and Method For Computer-Based Automatic Essay Scoring	09/693210	6,366,759	<u>012144/0265</u>
System & Method For Computer Based Test Creation	08/826417	6,259,890	<u>011743/0296</u>
System & Method For Computer Based Test Creation	09/777836	6,442,370	<u>012204/0010</u>
Test Discrimination And Test Construction For Cognitive Diagnosis	11/202764	2006-0035207	<u>016693/0286</u>
Computerized System For Scoring Constructed Responses And Methods For Training, Monitoring, And Evaluating Human Rater's Scoring Of Constructed Responses	09/045621	5,991,595	<u>009244/0542</u>
Method And System For Receiving Responses Utilizing Digital Pen And Paper	10/847268	2004-0259067	<u>015085/0278</u>
Image Digitizer W/Page Number Detector & Recorder	08/789700	5,869,789	<u>009462/0719</u>
Optical Document Scanning And Mark Sensing	07/385382	5,004,896	<u>005138/0558</u>
Methods And Systems For Presentation And Evaluation Of Constructed Responses Assessed By Human Evaluators	09/916810	6,526,258	<u>012094/0471</u>
Centralized System And Method For Administering Computer Based Tests	08/415757	5,513,994	<u>007673/0253</u>
System And Method For Computer	09/020755	6,000,945	<u>009776/0353</u>

Based Test Assembly			
System And Method For Computer Based Creation Of Tests Formatted To Facilitate Computer Based Testing	10/123819	2002-0182579	<u>013605/0228</u>
System And Method For Computer Based Creation Of Tests Formatted To Facilitate Computer Based Testing	10/856908	2005-0250087	<u>015405/0311</u>
Method And System For Controlling Item Exposure In Computer Based Testing	08/629365	5,841,655	<u>007946/0287</u>
Machine-Interpretable Figural Response Testing	07/382716	5,011,413	<u>005161/0213</u>
Machine-Interpretable Figural Response Testing	07/691396	5,211,564	<u>005719/0046</u>
A Tree-Based Approach To Proficiency Scaling And Diagnostic Assessment	09/215685	6,144,838	<u>010858/0585</u>
Consolidated Online Assessment System	10/098636	2003-0175677	<u>013025/0470</u>
System And Method For Interactive Scoring Of Standardized Test Responses	08/828247	6,115,683	<u>009121/0074</u>
System And Method For Interactive Scoring Of Standardized Test Responses	08/870182	6,120,299	<u>009092/0505</u>
System And Method For Interactive Scoring Of Standardized Test Responses	09/489210	6,234,806	<u>010607/0735</u>
System And Method For Computer Based Testing	08/082058	5,565,316	<u>006650/0126</u>
System And Method For Computer Based Testing	08/485628	5,827,070	<u>009044/0882</u>
Method And System For Generating And Processing An Assessment Examination	10/951068	2005-0255439	<u>015852/0132</u>
System And Method For Automated Testing Of Writing Skill	09/290900	6,254,395	<u>009992/0527</u>
Methods For Automated Essay Analysis	10/948417	2005-0042592	<u>15830/0918</u>
Consolidated Online Assessment System	10/948985	7,162,198	<u>015830/0430</u>
A New Lexical Association Metric For Knowledge-Free Extraction Of Phrasal Terms	11/100362	2005-0222837	<u>016222/0336</u>
Method And System For Text Retrieval For Computer-Assisted Item Creation	11/328962	2006-0155528	<u>017446/0472</u>
Method And System For Assessing	11/328651	2006-0155538	<u>017461/0007</u>

Pronunciation Difficulties Of Non-Native Speakers			
Method And System For Detecting Off-Topic Essays Without Topic-Specific Training	11/347060	2006-0172276	<u>017579/0383</u>
Model Scaling For An Automated Essay Scoring System	11/364165	2006-0194183	<u>017632/0474</u>
Method And System For Automated Item Development For Language Learners	11/358795	2006-0190242	<u>017609/0839</u>
Designing Adaptive, Diagnostic Math Assessments For Sighted And Visually Impaired Students	11/359232	2006-0286533	<u>018060/0024</u>
Automated Essay Scoring	11/460413	2006-0286540	<u>018295/0377</u>
Online Essay Evaluation System	09/045622	5,987,302	<u>009248/0197</u>
Consolidated Online Assessment System	11/617782	2007-0105084	<u>018698/0261</u>
System and Method For Computer Based Creation of Tests Formatted to Facilitate Computer Based Testing	10/967642	2005-0153269	<u>015826/0292</u>
Methods and Systems For Presentation and Evaluation of Constructed Responses Assessed By Human Evaluators	09/381545	6,295,439	<u>010569/0264</u>
Image Processing System	07/287483	5,001,769	<u>005007/0468</u>
Method And System For The Automatic Generation Of Speech Features For Scoring High Entropy Speech	10/945150	2006-0074655	<u>015775/0692</u>
Establishing Text Coherence Using Discourse Chunking And Sentence Similarity	10/974133	2005-0143971	<u>015753/0150</u>
Computer-Based Simulation Examination of Architectural Practice	08/811890	6,056,556	<u>010373/0893</u>
Automated Test Item Generation System & Method	10/822426	2004-0253569	<u>015166/0142</u>
Computer-Based Method & System For Linking Records in Data Files	09/345825	6,658,412	<u>010326/0556</u>
Portal Assessment Design System For Educational Testing	10/677186	2004-0076930	<u>014676/0319</u>
Systems And Methods For Testing Over A Distributed Network	10/712938	2004-0221013	<u>014706/0764</u>
Method And System For Computer-Assisted Test Construction Performing Specification Matching During Test Item Selection	10/731776	2005-0125196	<u>015143/0076</u>

Systems And Methods For Computer-Based Testing Using Network-Based Synchronization Of Information	09/901797	2002-0028430	<u>012190/0786</u>
Automated Essay Scoring System	10/974530	2005-0142529	<u>015761/0294</u>
Accessibility Of Tests Within A Validity Framework	11/054019	7,217,134	<u>015858/0172</u>
Interactive Group Communication System	07/694650	5,263,869	<u>013852/0499</u>
Method And System For Online Teaching Using Web Pages	09/760267	6,898,411	<u>013495/0747</u>
Automated Essay Scoring	10/319623	7,088,949	<u>014112/0206</u>
Methods For Automated Essay Analysis	10/176534	7,127,208	<u>015774/0955</u>
Methods For Conducting Server-Side Encryption/Decryption-On-Demand	10/626103	2004-0181668	<u>015842/0043</u>
Systems And Methods For Computer-Based Testing Using Network-Based Synchronization Of Information	10/611724	2004-0106088	<u>014807/0852</u>
Method And System For Computer-Assisted Test Construction Performing Specification Matching During Test Item Selection	11/299363	7,165,012	<u>017320/0412</u>
Optical Scanner Threshold Setting Method And Sheet	07/616134	5,194,966	<u>005516/0587</u>
System And Method For Picture Image Processing Employing Transformation Of Picture Data	08/230882	5,434,931	<u>007271/0101</u>
Method And System For Evaluating Vocabulary	11/379488	2006-0240390	<u>017503/0133</u>
Method And System For Interactive Computer Science Testing, Analysis And Feedback	07/807008	5,259,766	<u>006163/0409</u>
Methods For Automated Essay Analysis	10/052380	6,796,800	<u>012689/0879</u>
Remote Teaching System	08/112103	5,437,555	<u>013852/0495</u>
Method And Apparatus For Online Teaching And Learning	09/250687	6,302,698	<u>013852/0497</u>
Latent Property Diagnosing Procedure	09/838129	6,832,069	<u>013518/0193</u>
Free Response Test Grading Method	07/362262	4,978,305	<u>005087/0848</u>
Computerized Method And System For Teaching Prose, Document And Quantitative Literacy	08/190349	5,893,717	<u>007066/0703</u>
System And Method For Evaluating Applicants	10/244072	2004-0053203	<u>013588/0789</u>
System For Rating Constructed Responses Based On Concepts And A	10/125440	2003-0200077	<u>012845/0849</u>

Model Answer			
Method And System For Receiving And Analyzing An Electronic Personal Statement	10/830670	2005-0240455	<u>015261/0728</u>
Automated Annotation	11/465896	2007-0077542	<u>018151/0035</u>
Remote Computer Capabilities Querying and Certification	09/781248	7,092,987	<u>012253/0752</u>
Latent Property Diagnosing Procedure	10/970795	2005-0123893	<u>013518/0193</u>
Method and System For Online Teaching Using Web Pages	11/102994	2005-0233296	<u>013495/0747</u>
Computerized Mastery Testing System, a Computer Administered Variable Length Sequential Testing System For Making Pass/Fail Decisions	07/428383	5,059,127	<u>005728/0184</u>
Method & Apparatus For Administration of Computerized Adaptive Tests	08/249662	5,657,256	<u>6139/ 0785-0787</u>
Equation Editor	10/775301	2004-0157203	<u>014984/0101</u>
Cooccurrence and Constructions	10/915881	2005-0049867	<u>015407/0877</u>
System and Method For Parallel Conversion, Compilation, and Distribution of Content	10/627381	2005-0021859	<u>014346/0896</u>
Method and System For Performing Image Mark Recognition	10/760850	2005-0157930	<u>019693/0208</u>
Automated Evaluation of Overly Repetitive Word Use In an Essay	10/713863	2004-0194036	<u>014711/0653</u>
Portal Assessment Design System For Educational Testing	10/913777	2005-0170325	<u>015718/0898</u>
Method & System For the Automatic Generation of Speech Features For Scoring High Entropy Speech	11/678508		<u>015775/0692</u>